

## Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the Soil Survey Manual and many of the technical terms used in the description are defined in Soil Taxonomy.

### ***Counties with Published Soil Surveys***

Technical soil descriptions are located in the county soil survey descriptive legend.

### ***Counties without Published Soil Surveys***

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our [Official Soil Series Description](#) web site.

*This section includes:*

- **(a) Classification of the soils**

St. Francois County, Missouri  
Classification of the Soils

Soil name	Family or higher taxonomic class
Ashton-----	Fine-silty, mixed, mesic Mollic Hapludalfs
Auxvasse-----	Fine, montmorillonitic, mesic Aeric Albaqualfs
Caneyville-----	Fine, mixed, mesic Typic Hapludalfs
Carr-----	Coarse-loamy, mixed (calcareous), mesic Typic Udifluvents
Crider-----	Fine-silty, mixed, active, mesic Typic Paleudalfs
Delassus-----	Fine-loamy, mixed, mesic Typic Fragiudults
Elsah-----	Loamy-skeletal, mixed, nonacid, mesic Typic Udifluvents
Fourche-----	Fine-silty, mixed, active, mesic Glossaquic Paleudalfs
Gasconade-----	Clayey-skeletal, mixed, superactive, mesic Lithic Hapludolls
Goss-----	Clayey-skeletal, mixed, active, mesic Typic Paleudalfs
Haymond-----	Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrochrepts
Hildebrecht-----	Fine-silty, mixed, mesic Typic Fragiudalfs
Irondale-----	Loamy-skeletal, mixed, active, mesic Typic Hapludults
Jonca-----	Fine-loamy, mixed, mesic Typic Fragiudalfs
Knobtop-----	Fine-silty, mixed, mesic Aquic Hapludults
Lamotte-----	Fine-loamy, mixed, mesic Ultic Hapludalfs
Lebanon-----	Fine, mixed, mesic Typic Fragiudalfs
Lily-----	Fine-loamy, siliceous, mesic Typic Hapludults
Loughboro-----	Fine, montmorillonitic, mesic Aeric Glossaqualfs
Midco-----	Loamy-skeletal, siliceous, nonacid, mesic Typic Udifluvents
Nicholson-----	Fine-silty, mixed, mesic Oxyaquic Fragiudalfs
Orthents-----	Orthents
Psamments-----	Psamments
Ramsey-----	Loamy, siliceous, superactive, mesic Lithic Dystrudepts
Syenite-----	Fine-loamy, mixed, mesic Typic Hapludults
Wilbur-----	Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrochrepts
Wilderness-----	Loamy-skeletal, siliceous, mesic Oxyaquic Fragiudalfs